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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: THOMSON LICENSING Customer No. 24336 Docket No. PD030117
Application No./Patent No.: 10/584,658 Filed/Issue Date: May 9, 2007

Titled: ENCODING METHOD, DECODING METHOD, AND ENCODING APPARATUS FOR A DIGITAL PICTURE SEQUENCE

THOMSON LICENSING, a Corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest in;
2. ☐ an assignee of less than the entire right, title, and interest in
(The extent (by percentage) of its ownership interest is _____ %); or
3. ☐ the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made)
the patent application/patent identified above, by virtue of either:

A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy therefore is attached.

OR

B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: Heiko Schwarz et al. To: Thomson Licensing

The document was recorded in the United States Patent and Trademark Office at
Reel 019369, Frame 0482, or for which a copy thereof is attached.

2. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet(s).

☒ As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

/Patricia A. Velangieri, Reg. No. 42201/
Signature

October 31, 2011
Date

Patricia A. Verlangieri (Reg. No. 42201)
Printed or Typed Name

Senior Patent Counsel
Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Privacy Act Statement

The **Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (*i.e.*, GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

**POWER OF ATTORNEY
THOMSON LICENSING**

We,

THOMSON LICENSING
1-5 rue Jeanne d'Arc
92130 ISSY LES MOULINEAUX
France

do hereby grant

Robert D. Shedd
Vice President, U.S. Patent Operations
Thomson Licensing LLC
Two Independence Way
Princeton, New Jersey 08540


a revocable, non-exclusive and delegable power of attorney to act for us (including the signing of requisite documents) in proceedings concerning patents and applications for patents, including international and other multi-country patents and applications for patents, in our name in the Patent Offices in all countries worldwide from December 14, 2009.

DATED this 17 day of December, in the year 2009.

Signature:

Typed Name As Signed:

Title:


Béatrix de Russé
Executive Vice-President
Licensing, Research & Innovation

**POWER OF ATTORNEY
THOMSON LICENSING**

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Robert B. Levy - Sr. Patent Counsel/Manager
Frank Y. Liao - Sr. Patent Counsel/Manager
Reitseng Lin - Sr. Patent Counsel
Guy H. Eriksen - Lead Patent Counsel
Catherine A. Cooper - Sr. Patent Counsel
Kuniyuki Akiyama - Lead Patent Counsel
Paul P. Kiel - Sr. Patent Counsel
Jeffrey M. Navon - Sr. Patent Counsel
Joel M. Fogelson - Sr. Patent Counsel
Joseph J. Opalach - Sr. Patent Counsel
Sammy S. Henig - Sr. Patent Counsel
Patricia A. Verlangieri - Sr. Patent Counsel
Brian J. Dorini, Sr. Patent Counsel
Jorge Tony Villabon - Patent Counsel
Vincent E. Duffy - Patent Counsel
Richard LaPeruta - Patent Counsel
Brian J. Cromarty - Patent Counsel
Ronald Kolczynski - Patent Counsel
Michael A. Pugel - Patent Counsel
Paul W. Lyons - Patent Agent
Jeffrey D. Hale - Patent Counsel
Wan Yee Cheung - Patent Counsel
Jerome G. Schaefer - Patent Counsel
James M. McKenzie, Patent Counsel
Thomson Licensing LLC
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Princeton, New Jersey 08540

a revocable, non-exclusive and delegable power of attorney to act for us (including the signing of requisite documents) in proceedings concerning patents and applications for patents, including international and other multi-country patents and applications for patents, in our name in the Patent Offices in all countries worldwide from January 1, 2007.

DATED this 14th day of January, 2010.

SIGNED


Robert D. Shedd
Vice President, U.S. Patent Operations
Thomson Licensing LLC and
Attorney In Fact for
THOMSON LICENSING

WITNESS



**POWER OF ATTORNEY
THOMSON LICENSING**

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France

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Harvey D. Fried - Sr. Patent Counsel/Manager
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Vincent E. Duffy - Patent Counsel
Richard LaPeruta - Patent Counsel
Brian J. Cromarty - Patent Counsel
Ronald Kolczynski - Member Patent Staff
Michael A. Pugel - Patent Agent
Paul W. Lyons - Patent Agent
Jeffrey D. Hale - Patent Counsel
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James M. McKenzie, Patent Counsel
Shan He, Patent Counsel
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and

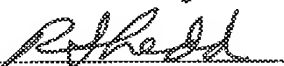
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425 Broadhollow Road, Suite 302
Melville, NY 11747

POWER OF ATTORNEY

a revocable, non-exclusive and delegable power of attorney to act for us (including the signing of requisite documents) in proceedings concerning patents and applications for patents, including international and other multi-country patents and applications for patents, in our name in the Patent Offices in all countries worldwide from April 1, 2011.

DATED this 1st day of August, 2011.

SIGNED


Robert D. Shedd
Vice President, U.S. Patent Operations
Thomson Licensing LLC and
Attorney In Fact for
THOMSON LICENSING

WITNESS



ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTER PATENT

WHEREAS Heiko Schwarz, Klaustaler Str. 30, 13187 Berlin, Germany; Tobias Hinz, Auerstr. 41, 10249 Berlin, Germany; Thomas Wiegand, Nuernberger Str. 18, 10789 Berlin, Germany; hereinafter (collectively) referred to as the assignor, has invented a certain improvement relating to

Encoding method, decoding method, and encoding apparatus for a digital picture sequence

for which said assignor has caused an application for United States Letters Patent to be prepared, the specification of which was filed on 04/NOV/2004 as Application Serial No. PCT/EP 04/012480, or, if not identified here by filing date and serial number, the inventor's declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office.

AND WHEREAS

Thomson Licensing
46 Quai A. le Gallo
F-92100 Boulogne-Billancourt
France

hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the entire and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

EXECUTED, this 27 day of July, 2006.

WITNESSES:

ASSIGNOR:

Signature: [Signature]

Signature: [Signature]

Name: PATRICK NDJIKI-NYA
Address: Spechtstr. 12B, 13505 Berlin

Name: Heiko Schwarz

Signature: [Signature]

Name: COADUNA ANTMJLEAK
Address: KELSHOF 4, 30559 HANNOVER

EXECUTED, this _____ day of _____, 2006.

WITNESSES:

ASSIGNOR:

Signature: _____

Signature: _____

Name:
Address:

Name: Tobias Hinz

Signature: _____

Name:
Address:

EXECUTED, this _____ day of _____, 2006.

WITNESSES:

ASSIGNOR:

Signature: _____

Signature: _____

Name:
Address:

Name: Thomas Wiegand

Signature: _____

Name:
Address:

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTER PATENT

WHEREAS Heiko Schwarz, Klaustaler Str. 30, 13187 Berlin, Germany; Tobias Hinz, Auerstr. 41, 10249 Berlin, Germany; Thomas Wiegand, Nuernberger Str. 18, 10789 Berlin, Germany; hereinafter (collectively) referred to as the assignor, has invented a certain improvement relating to

Encoding method, decoding method, and encoding apparatus for a digital picture sequence

for which said assignor has caused an application for United States Letters Patent to be prepared, the specification of which was filed on 04/NOV/2004 as Application Serial No. PCT/EP 04/012480, or, if not identified here by filing date and serial number, the inventor's declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office.

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AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

EXECUTED, this _____ day of _____, 2006.

WITNESSES:

ASSIGNOR:

Signature: _____

Signature: _____

Name:
Address:

Name: Heiko Schwarz

Signature: _____

Name:
Address:

EXECUTED, this 24 day of July, 2006.

WITNESSES:

ASSIGNOR:

Signature: [Signature]

Signature: [Signature]

Name: SILVIANNE WIRTZ
Address: W. GIESENING - STR. 30
30159 HANNOVER

Name: Tobias Hinz

Signature: [Signature]

Name: CORDULA ANTJLEAK
Address: HELSINGF 4, 30559 HANNOVER

EXECUTED, this _____ day of _____, 2006.

WITNESSES:

ASSIGNOR:

Signature: _____

Signature: _____

Name:
Address:

Name: Thomas Wiegand

Signature: _____

Name:
Address:

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTER PATENT

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~~→ TASTENSTA. 42, 10719 BERLIN~~

Encoding method, decoding method, and encoding apparatus for a digital picture sequence

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AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

EXECUTED, this _____ day of _____, 2006.

WITNESSES:

ASSIGNOR:

Signature: _____

Signature: _____

Name:
Address:

Name: Heiko Schwarz

Signature: _____

Name:
Address:

EXECUTED, this _____ day of _____, 2006.

WITNESSES:

ASSIGNOR:

Signature: _____

Signature: _____

Name:
Address:

Name: Tobias Hinz

Signature: _____

Name:
Address:

EXECUTED, this 21 day of August, 2006.

WITNESSES:

ASSIGNOR:

Signature: [Signature]

Signature: [Signature]

Name: D. Marpe
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12161 Berlin
Germany

Name: Thomas Wiegand

Signature: [Signature]

Name: Michael Zentgraf
Address: Trageweg 9
30163 Hannover